

CMR assuming IDN OpenSearch role

 **CMR-2401** - JIRA project doesn't exist or you don't have permission to view it.

CMR OpenSearch and non-Earthdata collections

CMR OpenSearch currently provides a granule level OSDD for all collection entries. This is built on the assumption that all collections in CMR have their granule inventory resident there also.

This became an incorrect assumption as soon as GCMD started adding collections from non-NASA providers.

CMR OpenSearch needs to

Identify collections that have no granules and skip granule-level OSDD links

 **CMR-2398** - JIRA project doesn't exist or you don't have permission to view it.

```
include_has_granules=true # is a low-overheard search parameter that will
allow us to determine if a collection has any granules.
```

However, some collections can have their granule inventory accessed through the CWIC server facade. This functionality was previously provided through the IDN CWIC portal.

I see no reason why this functionality should not be a first-class citizen of the CMR OpenSearch API.

CMR OpenSearch replacing IDN CWIC portal

In order to facilitate this CMR OpenSearch needs to do the following,

- Identify a collection as a CWIC enabled collection  **CMR-2390** - JIRA project doesn't exist or you don't have permission to view it.

 **CMR-2399** - JIRA project doesn't exist or you don't have permission to view it.

```
include_tags=true # only supported for JSON response right now. Look
for a 'CWIC-enabled' tag and some 'ready for production' tag
```

- Provide a granule-level search OSDD link to the CWIC server using the correct collection discriminator

Extract the metadata information that provides the key for the granule level OSDD in CWIC. For example, ISRO collection 'INSAT-3D Imager Level-2B Sea Surface Temperature' has within it's atom entry

```
<echo:difId>3DIMG_L2B_SST</echo:difId>
```

And the OSDD needed for this collection is

```
http://cwic.wgiss.ceos.org/opensearch/datasets/3DIMG_L2B_SST/osdd.xml
```

Given the difId, OSDD generation is trivial.

The 'qa' route

 **CMR-2400** - JIRA project doesn't exist or you don't have permission to view it.

CWIC needs to QA collections for suitability for the user. CMR OpenSearch will provide a route to show only 'candidate-release' collections that will be used by CWIC QA staff only.

The usual route to OpenSearch will only provide a granule-level OSDD link if the collection is tagged as both 'cwic-enabled' and 'ready for consumption'

The QA route to OpenSearch will provide a granule-level OSDD link if the collection is tagged as 'cwic-enabled'.

Tags to be created

1. 'cwic-enabled' tag

```
{
  "namespace": "org.ceos.wgiss.cwic",
  "category": "granule-discovery",
  "value": "enabled",
  "description": "Describes whether a collection has granule inventory
behind the CWIC Server"
}
```

2. 'ready-for-consumption'

```
{
  "namespace": "org.ceos.wgiss.cwic",
  "category": "granule-discovery",
  "value": "ready-for-consumption",
  "description": "Describes whether a collection has been vetted as
ready for public consumption"
}
```